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INDEX TO AMERICAN BOTANICAL LITERATURE

1915-1917

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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- Coulter, J. M.** The social, educational, and scientific value of botanic gardens. *Science* II. **45**: 643-647. 29 Jl 1917.
- Coyne, F.** Cactus lakes. *Am. Forest.* **23**: 361-362. Jl 1917. [Illust.]
- Coyne, F.** The deadly Manzanillo. *Am. Forest.* **23**: 423. Jl 1917. [Illust.]
- Daniels, L. L.** On the flora of Great Salt Lake. *Am. Nat.* **51**: 499-506. Au 1917.
- Davidson, A.** *Fremontodendron mexicanum* sp. nov. *Bull. S. Calif. Acad. Sci.* **16**: 50. Jl 1917.
- Davidson, A.** Payne's new hybrid lilac. *Ceanothus spinosa* × *C. arboreus*. *Bull. S. Calif. Acad. Sci.* **16**: 45, 46. *pl.* **2**. Jl 1917.
- Davidson, A.** *Rhamnus catalinae* Davidson sp. nov. *Bull. S. Calif. Acad. Sci.* **16**: 47. Jl 1917.
- Davis, C. A.** Salt marsh formation near Boston and its geological significance. *Econ. Geol.* **8**: 623-639. N 1910.
- Dickerson, M. C.** The season of wild flowers. *Am. Mus. Jour.* **17**: 303-318. *pl.* **16**. My 1917.
- Douin, C., & Douin, R.** Note sur les *Sphaerocarpus*. *Rev. Gén. Bot.* **29**: 129-136. *pl.* **16**. 15 My 1917.
- East, E. M.** The explanation of self-sterility. *Jour. Heredity* **8**: 382-383. Au 1917.

- Eckerson, S. H.** Microchemical studies in the progressive development of the wheat plant. Washington Agr. Exp. Sta. Bull. **139**: 3-20. *pl.* 1, 2. Mr 1917.
- Farwell, O. A.** Notes on *Hippochaete*. Am. Fern Jour. **7**: 73-76. Jl 1917.
Hippochaete prealta var. *pseudohyemalis* nom. nov.
- Fawcett, H. S.** Melanose of citrus. Monthly Bull. State Com. Hort. Calif. **6**: 280, 281. *f.* 86. Jl 1917.
Due to *Phomopsis citri*.
- Fernald, M. L.** *Tiarella cordifolia* L., forma *parviflora*, n.f. Rhodora **19**: 132. 2 Jl 1917.
- Fletcher, E. F.** Some further plants found on woolwaste at Westford, Massachusetts. Rhodora **19**: 132. 2 Jl 1917.
- Fletcher, S. W.** North American varieties of the strawberry. Virginia Agr. Exp. Sta. Tech. Bull. **11**: 3-125. *f.* 1-18. 1917.
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- Floyd, B. F.** Report of plant physiologist. Florida Agr. Exp. Sta. Rep. **1916**: 30 R-50 R. *f.* 4-9. My 1917.
- Forbes, C. N.** New Hawaiian plants—VI. Occasional Papers, B.¹ P. Bishop Mus. **6**: 51-54. *f.* 9, 10. 1917.
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- Foster, L.** Biology, Botany. Rep. New Mexico Agr. Exp. Sta. **24**: 34-36. 1914.
- Freeman, E. M.** Division of plant pathology and botany. Rep. Minnesota Agr. Exp. Sta. **23**: 47, 48. F 1916.
- Frost, H. B.** A method of numbering plants in pedigree culture. Am. Nat. **51**: 429-437. Jl 1917.
- Gager, C. S.** Ideals and opportunities for a botanic garden. Brooklyn Bot. Gard. Record **6**: 121-131. Jl 1917.
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- Gardner, N. L.** New Pacific Coast marine algae—I. Univ. Calif. Publ. Bot. **6**: 377-416. *pl.* 31-35. 30 Je 1917.
Includes descriptions of *Arthrospira maxima*, *Chlorochytrium Porphyrae*, *Gayella constricta*, *Sargassum dissectifolium*, *Cystoseira neglecta*, *Petrocelis franciscana*, *Hildenbrandtia occidentalis*, *Coriophyllum expansum*, *Cumagloia Andersonii*, spp. nov. *Coriophyllum* and *Cumagloia* gen. nov., and *Myelophycus intestinalis* f. *tenuis* forma nov.
- Gruber, C. L.** Experiences with a fern garden—I. Am. Fern Jour. **7**: 67-73. Jl 1917.
- Harper, R. M.** The new science of plant sociology. Sci Mo. **4**: 456-460. My 1917.
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- Harris, J. A.** Physical chemistry in the service of phytogeography. Science II. 46: 25-30. 13 Jl 1917.
- Harvey, R. B., & True, R. H.** The influence of light and chlorophyll formation on the minimum toxic concentration of magnesium nitrate for the squash. Am. Jour. Bot. 4: 407-410. f. 1, 2. Jl 1917.
- Hawkins, L. A., & Stevens, N. E.** *Endothia* pigments—I. Am. Jour. Bot. 4: 336-353. f. 1-6. 29 Je 1917.
- Hedgcock, G. G., & Hunt, N. R.** New species of *Peridermium*. Mycologia 9: 239-240. 30 Jl 1917.
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- Hollick, A.** Additional notes on the botany of the Silver Lake basin. Proc. Staten Island Assoc. Arts and Science 6: 67, 68. f. 1, 2. 9 My 1917.
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- Johnson, L.** The history and legal phases of the smoke problem. Bull. Am. Inst. Mining Eng. 125: 893-906. My 1917.
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- Kern, F. D.** North American species of *Puccinia* on *Carex*. Mycologia 9: 205-238. 30 Jl 1917.
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- Kunkel, L. O.** A method of obtaining abundant sporulation in cultures of *Macrosporium solani* E. & M. Torreyia 17: 123. 18 Jl 1917.
- Lee, H. N., & Smith, E. M.** Douglas fir fibre with special reference to length. Pulp & Paper Mag. Canada 15: 709-713. pl. 1. f. 1-3. 26 Jl 1917.
- Lloyd, C. G.** Letter no. 64. 1-4. f. 985-991. My 1917; Letter No. 65. 1-16. Mr 1917.
No. 64 includes notes on different species of *Xylaria*.
- Lloyd, C. G.** Mycological notes. 47: 654-668. f. 933-960 + portrait. Ap 1917.

- Lloyd, C. G.** The genus *Radulum*. 1-12. f. 961-984. 1917.
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Includes *Ravenelia hoffmanseggiae*, *R. siderocarpi* and *R. prosopidis*, spp. nov.
- Love, H. H., & Fraser, A. C.** The inheritance of the weak awn in certain *Avena* crosses. *Am. Nat.* 51: 481-493. Au 1917.
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- McFadden, E. A.** Wheat-rye hybrids. *Jour. Heredity* 8: 335. f. 24. Jl 1917.
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- Meinecke, E. P.** The white pine blister rust and the chestnut bark disease. *Monthly Bull. State Com. Hort. Calif.* 6: 268-279. f. 76-84. Jl 1917.
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- Norton, G. T. K.** The knot over Washington's tomb. Am. Forest.
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- O'Gara, P. J.** A new leaf-spot disease of *Polygonum persicaria*. My-
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